



CONGRESSIONAL BUDGET OFFICE COST ESTIMATE

April 29, 2005

H.R. 1215 **Green Chemistry Research and Development Act of 2005**

As ordered reported by the House Committee on Science on April 13, 2005

SUMMARY

H.R. 1215 would authorize appropriations for fiscal years 2006 through 2008 for chemistry and chemical engineering research aimed at reducing or eliminating the use and production of hazardous substances (known as “green chemistry”). It would authorize funding for such green chemistry programs at four agencies: the National Science Foundation (NSF), the Department of Energy (DOE), the National Institute of Standards and Technology (NIST), and the Environmental Protection Agency (EPA). Under this bill, the amounts authorized would be derived from sums otherwise authorized to be appropriated.

Assuming appropriation of the specified amounts, CBO estimates that implementing H.R. 1215 would cost \$102 million over the 2006-2010 period. CBO estimates that enacting this bill would have no effect on direct spending or revenues.

H.R. 1215 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA) and would impose no costs on state, local, or tribal governments either as regulators or as owners and operators of chemical facilities.

ESTIMATED COST TO THE FEDERAL GOVERNMENT

The estimated budgetary impact of H.R. 1215 is shown in the following table. The costs of this legislation fall within budget functions 250 (general science, space, and technology), 300 (natural resources and environment), and 370 (commerce and housing credit).

	By Fiscal Year, in Millions of Dollars					
	2005	2006	2007	2008	2009	2010
SPENDING SUBJECT TO APPROPRIATION						
Spending on Green Chemistry Research						
Under Current Law						
Budget Authority ^a	32	0	0	0	0	0
Estimated Outlays	31	21	7	2	1	0
Proposed Changes						
Authorization Level	0	33	36	38	0	0
Estimated Outlays	0	13	27	34	22	7
Spending on Green Chemistry Research						
Under H.R. 1215						
Authorization Level ^a	32	33	36	38	0	0
Estimated Outlays	31	33	34	36	23	7

a. The 2005 level reflects agencies' estimates of the amounts appropriated for that year for activities similar to those that would be authorized by H.R. 1215.

BASIS OF ESTIMATE

For this estimate, CBO assumes that the amounts authorized will be appropriated each year and that outlays will occur at rates similar to those of existing research and development programs. NSF expects to spend around \$25 million in 2005 for green chemistry research. EPA and NIST estimate those agencies will spend \$2 million and \$4 million, respectively, in 2005 on green chemistry research. DOE currently does not conduct research specifically targeted to green chemistry technologies.

INTERGOVERNMENTAL AND PRIVATE-SECTOR IMPACT

H.R. 1215 contains no intergovernmental or private-sector mandates as defined in UMRA and would impose no costs on state, local, or tribal governments either as regulators or as owners and operators of chemical facilities.

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